

**REMARKS**

Claims 1-24 are pending in the present application. In the Final Office Action mailed September 7, 2006, the Examiner rejected claims 1 and 8 under 35 U.S.C. §102(b) as being anticipated by Oestreicher (USP 2,617,913). The Examiner next rejected claim 18 under 35 U.S.C. §102(b) as being anticipated by Hsien (USP 5,276,305). Claims 19 and 23 are rejected under 35 U.S.C. §103(a) as being unpatentable over Hsien. Claims 11, 12, and 17 are rejected under 35 U.S.C. §103(a) as being unpatentable over Oestreicher as applied to claims 1 and 8, and further in view of Toth (USP 4,079,231). Claim 21 is rejected under 35 U.S.C. §103(a) as being unpatentable over Hsien as applied to claim 18, and further in view of Zucker et al. (USP 6,906,285). Claim 22 is rejected under 35 U.S.C. §103(a) as being unpatentable over Hsien as applied to claim 18, and further in view of the Intellon White Paper #0027.

Claim 24 was allowed and claims 2-7, 9, 10, 13-16, and 20 were indicated as containing allowable subject matter. Such indication is appreciated.

In regard to the rejection of claim 1, Applicant has cancelled claim 1 and recast claim 2 in independent form by reciting the elements of claim 1. Claims 8 and 11 have thus been amended to reflect dependence from claim 2. In light of the Examiner's indication of the allowability of claim 2, and pursuant to the chain of dependency, Applicant believes that claims 2-11 are in condition for allowance.

With respect to the rejection of claim 12, Applicant has cancelled claim 12 and recast allowable claim 13 in independent form by reciting the elements of claim 12. As such, claim 17 has been amended to reflect dependence from claim 13. Applicant believes that claims 13-17 are in condition for allowance, pursuant to the Examiner's indication of the allowability of claim 13 and pursuant to the chain of dependency.

Likewise, Applicant has amended claim 18 to incorporate the subject matter of allowable claim 20. Thus, claim 18 is believed to be allowable. Claim 20 has therefore been cancelled. Accordingly, Applicant believes that claims 18, 19, and 21-23 are in condition for allowance.

Therefore, in light of at least the foregoing, Applicant respectfully believes that the present application is in condition for allowance. As a result, Applicant respectfully

requests timely issuance of a Notice of Allowance for claims 2-11, 13-17, 18, 19, and 21-23.

Applicant appreciates the Examiner's consideration of these Amendments and Remarks and cordially invites the Examiner to call the undersigned, should the Examiner consider any matters unresolved.

Respectfully submitted,

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<sup>1</sup>The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-2623. Should no proper payment be enclosed herewith, as by credit card authorization being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-2623. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extensions under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-2623. Please consider this a general authorization to charge any fee that is due in this case, if not otherwise timely paid, to Deposit Account No. 50-2623.